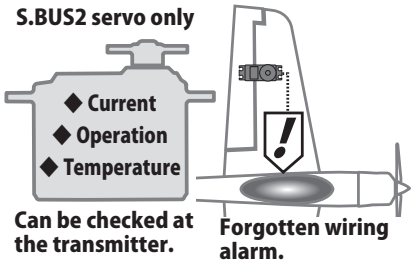
Futaba 1M23N26725

Telemetry servo sensor SBS-01S

Instruction Manual



●The SBS-01S is compatible with Futaba telemetry transmitters and receivers.

(As of January 2015, only model T18MZ V.2.5 and subsequent models are compatible.)

OK

Incompatible with servos other than the S-BUS2.

The SBS-01S cannot be used with S-BUS2 760µs neutral servos.

Thank you for purchasing Futaba's SBS-01S Servo Sensor. Please read this manual thoroughly to ensure proper servo sensor performance. We also encourage you to retain the manual for future reference.

*The SBS-01S cannot be used with a servo connected to a gyro. Do not connect it to a servo connected to a gyro.

*The temperature on some S.BUS2 servos can not be checked. Check the Futaba website for details.

Use : Servo sensor
Detection item :
Current (～ DC10.0A)
Operation
Temperature (-10℃～ 115℃)
Length : 255mm (10 in.)
Weight : 6.9g (0.24 oz.)
Voltage : DC 3.7V ～ 7.4V

Function

● **Telemetry data :**

The SBS-01S can monitor and display the in-flight current, operating angle, and internal temperature of up to two S.BUS2 servos.

● **Servo connection alarm :**

If you forget to connect the servo wiring during fuselage assembly, or the servo was disconnected, an alarm can be activated at the transmitter.

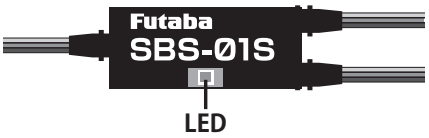
(The "Servo connection alarm" function of the transmitter must be enabled.)

● **Servo alarm :**

If you forget to turn off the receiver power, you are informed by the sounding of an alarm from the servo. This servo alarm sound is also useful when searching for lost aircraft.

(The "buzzer" function of the S.BUS2 servo connected to the SBS-01S is automatically turned on.)

LED Indication

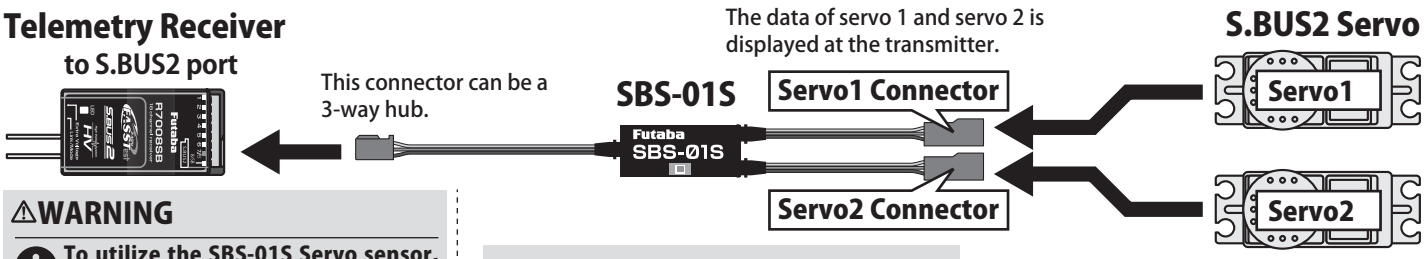


Green	Normal operation
Red	No signal reception
Green/Red	When setting up the slot
Green/Red Alternate blink	Unrecoverable error

Telemetry Log

A log file for each servo, as well as data acquired by the SBS-01S, can be created when the transmitter has a telemetry function. The log file can be converted to a CSV file by using the "Telemetry log converter". The "Telemetry log converter" must be downloaded from the web. Check the Futaba website **www.futaba-rc.com.**

Connection Example



*Do not connect multiple servos with a 3-way hub from this connector. (Data cannot be properly acquired.)

*When you want to read the data of multiple servos from 2 or more SBS-01S, use multiple SBS-01S. However, note that the number of slots may be limited. (If other sensors are not used, up to 4 SBS-01S can be used.)

⚠WARNING

To utilize the SBS-01S Servo sensor, connect it to the S.BUS2 port of the Futaba telemetry enabled receivers.

■ The SBS-01S will not function properly if connected to an S.BUS port or other channel ports.

Ensure that the unit is mounted in an area that will eliminate exposure to fuel, water and vibration.

■ As with any electronic components, proper precautions are urged to prolong the life and increase the performance of the SBS-01S.

Allow a slight amount of slack in the SBS-01S cables and fasten them at a suitable location to prevent any damage from vibration.

Connect the connector polarity properly.

■ If connected in reverse, explosions or fire could occur.

Insert the connector securely.

■ If the connector works loose during model operation, control will be lost and cause the potential for extreme danger.

The SBS-01S should be mounted away from magnetic bodies.

■ If close to a magnetic body, the DC current may not be measured correctly.

To ensure that the SBS-01S is functioning as desired, please test accordingly.

■ Do not use until inspection is complete.

Do not use the SBS-01S with anything other than R/C models.

Slot Number Setup

Please note that the proper default slot for this accessory is number 16. This sensor uses six slots, starting at 1,2,8,9,10,16,17,18,24,25,and 26. Information on how to change the slot assignment is included in the transmitter's manual.

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